Work Orde Thursday, Noven				*9*	1289*						Page 1
Revision ID:	647.4610			Accept	*N9000	140	100)* s	etup Stai Sto		S1*
	Upper Deflect 10/4/2012 10/4/2012	Start Qty: 15.00 Req'd Qty: 15.00	*1 *⁄1	5* 16 5*	Cust Item ID Customer:):				· · · NI	S2*
Approvals:	Process Pla	n:	Date:	Tooling:	Dat	e:	_	F	lun Sta	1/1	R1*
	QC:		Date:	SPC (Y/N):	Dat	e:			Sto	*N	R2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hou	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr			- Control of the Cont				-		
647.2600	N/C	2									
100		BAND SAW		0.00							
Bandsaw Jeaspa Bandsaw		Memo Cut Blank a	at 20.000"	0.00	SL 12-1	11-20	10	k 🕙		÷	
٠.		CONEB	LANK MAKES TV	VO PARTS***	- Pierre. - miles						
*110 *110*		HAAS CNC VERTICAL	L MACHINING #1	0.00							(DAS 14)
HAAS CNC vertica	Il machine #1	Memo 1-Machine DWG REV FOLIO RE		· 0.00 -	ay 12/11/21						

2- deburr and break all sharp edges

Work Ord Thursday, Nover				*912	89*							Page 2
Item ID: Revision ID: Item Name:	647.4610 Upper Deflect	or		Accept	*N900	040	100)* s	etup Si S			S1* S2*
Start Date: Required Date: Reference:	10/4/2012 10/4/2012	Start Qty: 15.00 Req'd Qty: 15.00	*15* *15*		Cust Item I Customer:	D:				_	IV.	5 /"
Approvals:	Process Pla	n:	Date:	Tooling:	Da	ate:	# # # # # # # # # # # # # # # # # # #	B		tart	*NI	२1 *
	QC:		Date:	SPC (Y/N):	Da	ate:			S	top	*NI	₹2*
Sequence ID/ Work Center II 120 *120*)	Operation Description QC2- Inspect parts off ma	achine FAI/FAIB	Set Up/ Run Hours 0.00	Tool ID		Pian Code	Accept Qty	Reject Qty	Nu	ject Imber	Insp. Stamp DAS
QC Quality Control		Memo		0.00	~ /2/11/2/							~-89
130 *130*		QC8- Inspect parts - seco	nd check	0.00				16				DAG
QC Quality Control		Memo		0.00				_10			dalla di da ayayayayayay	<u> </u>
¹⁴⁰ *1∆∩ *		Outsource process-Anodi	ze per QSI017 4.1.10.1	0.00					<u>J</u>	1 12	-11-	27
Outsource process -	Anodize		285 06 ze as per Dwg 647.4600	0.00					<u>μ</u>	18	-//-0	

Work Ord Thursday, Novel				*912	289*					Pag	ge 3
Item ID: Revision ID: Item Name:	647.4610 Upper Deflect	tor		Accept	*N900	0401	೧೧ *	Setup	Start Stop	*NS1* *NS2*	
Start Date: Required Date: Reference:	10/4/2012 : 10/4/2012	Start Qty: 15.00 Req'd Qty: 15.00	*15* *15*		Cust Item II Customer:	D:				` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	
Approvals:		an:	Date:			ıte:		Run	Start Stop	*NR1*	k k
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Hours	Tool ID		Plan Acc Code Qty		•	Reject Insp. Number Stamp	
*150 *150* Packaging Packaging		Receive & Inspect for Da	mage & Mat'l Certs	0.00				<u>/c</u>	14/2	/18(16)	
155 *155 *		QC5- Inspect part comple	eteness to step on W/O	0.00			(b		(PAS)) 13·0)-0
QC Quality Control		Мето		0.00				***************************************		-	
160		Spray Painting per QS100	05 4.2	0.00				:		DA 06	s : <u>13</u> · 01 · (
160 SprayPaint		Memo PRIME AS F	PER DWG. SEE NOTE #2	0.00				6	-		<u>173</u> .01.0

*** SEE NOT #5 FOR MAX. DIMENSION AFTER FINISH ***

PRIMER BATCH: 123693

Work Orde Thursday, Nove				*912	89*							Page 4
Item ID: Revision ID: Item Name:	647.4610 Upper Deflec	tor		Accept	*N900	040	100	* S	etup	Start Stop	*N:	51* 52*
Start Date: Required Date: Reference:	10/4/2012	Start Qty: 15.00 Req'd Qty: 15.00	*15* *15*		Cust Item I Customer:	D:					\1 .	7/
Approvals:		an:	Date:	Tooling: SPC (Y/N):		ate:		R	un	Start Stop	*NI	२1* २2*
Sequence ID/ Work Center II 170 *170* QC Quality Control	D	Operation Description QC14- Inspect Spray Pair Memo	ıt	Set Up/ Run Hours 0.00	Tool ID	Tool#		Accept Qty	Reji Qty		Reject Number	Insp. Stamp
180 *180* Packaging Packaging		Identify as per dwg & Sto Memo ***IDENTIF		9-0.00 0.00 P-120 BY STAMPING P	# AND REV***		-			1 13/e	/	(6)
190 *190* QC Quality Control		QC21- Final Inspection Memo	Work Order Release	0.00			-			(²)	5/1/1c Mr	01-09

Picklist Print

November-16-12 10:30:54 AM

Work Order ID:

91289

Parent Item:

647.4610

Parent Item Name:

Upper Deflector

Start Date: 10/04/12

Required Date: 10/04/12

Page 1

Start Qty: 15.00

Required Qty: 15.00

Comments:

IPP REV:A NEW ISSUE 12/10/17 JFS VERIFY BY: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M7075T6B5.000X0.375		Purchased	No				f	99.1620		12.6	0 10	11 00	
7075-T6 BAR 5.000" X 0	.375"								***			11-00	
				Location		Loc Oty	In	c Code					

Location	Loc Qty	Loc Code	
MAT	51.162		
123218	51.162		- 346-8
MAT008	48		****
123418	48		x 6-8

NCR: Y	es / No				WORK ORDER NON-O	CONFO	DRMAN	CE / UPI	DATE			•
										QA Closed:	Date	2:
Work Orde	or:				DISPOSITION				AGAINST D	EPARTMENT,	/PROCESS	
WOIR Olde	····				Rework	1 I	Skid-	tube	Crosstube	7	Water Jet	Engineering
Part N	lo	,			Scrap Use-as-is		-Machi Machi nermofori	ining	Small Fab Finishing		d. Eng. Coor.	Quality
NCR N	lo				Work Order Update	<u> </u>		e Fab	Composite		Supplier	
Root				Descri	ption of work order update	Initia	al	Act	tion	Sign &		
Cause	Date	Step	Qty	(or Non-conformance	Chief (Eng	Descr	ription	Date	Verification	QC Inspector
Doc/Data											•	
Equip/Tooling						-						
Operator												
Material												
Setup												
Other												
Process												
Supplier												
Training]	i					
Unapproved												
	- ·				F.	AULT C	ATEGORY	,		•		
Landir	ng Gear				General						_	
	Bending				Bend	Gra	ain			Ovalized		Pressure/Forced
	Centre N	ot Concer	ntric to	o/s	BOM/Route	Har	dware			Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	Insp	oection Inc	complete		Part Incorre	ct [Weld
	Crushed/	Crimped.			Burrs	Inst	ructions l	ncomplete/l	Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Cuffs				Contamination	Ма	intenanc	e		Part Moved	_	<u> </u>
	Heat Trea	at			Countersink	Mis	labeled			Positioned \	Vrong	
	Inspectio	n Strip in	Tube		Cut Too Short	Mis	read			Power Loss/	Surge	Other
l	Ripples in	n Bend			Drill Holes	Offs	set		_	_	<u>. </u>	

Out of Calibration
Out of Sequence

Outside Dimensions

DQA:

Date:

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish Folio

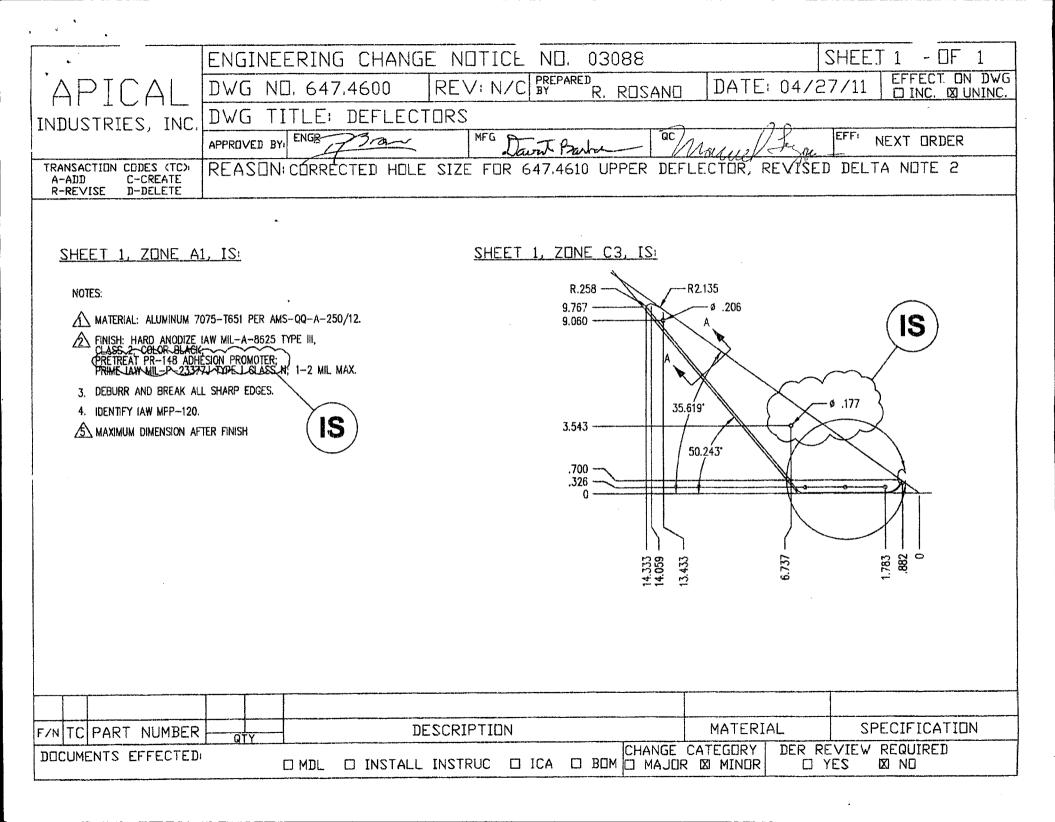
DART AEROSPACE LTD	Work Order:	91289
Description: UPPER DEFLECTOR	Part Number:	647.4610
Inspection Dwg: 647, 4600 Rev: N/C		Page 1 of 1

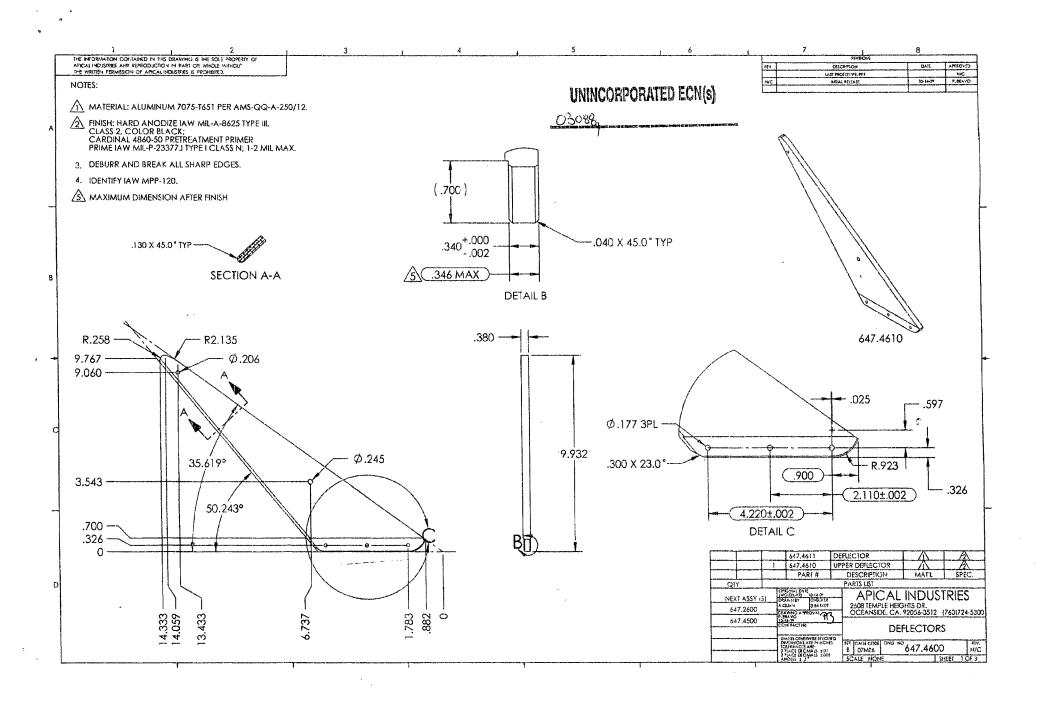
FIRST ARTICLE INSPECTION CHECKLIST

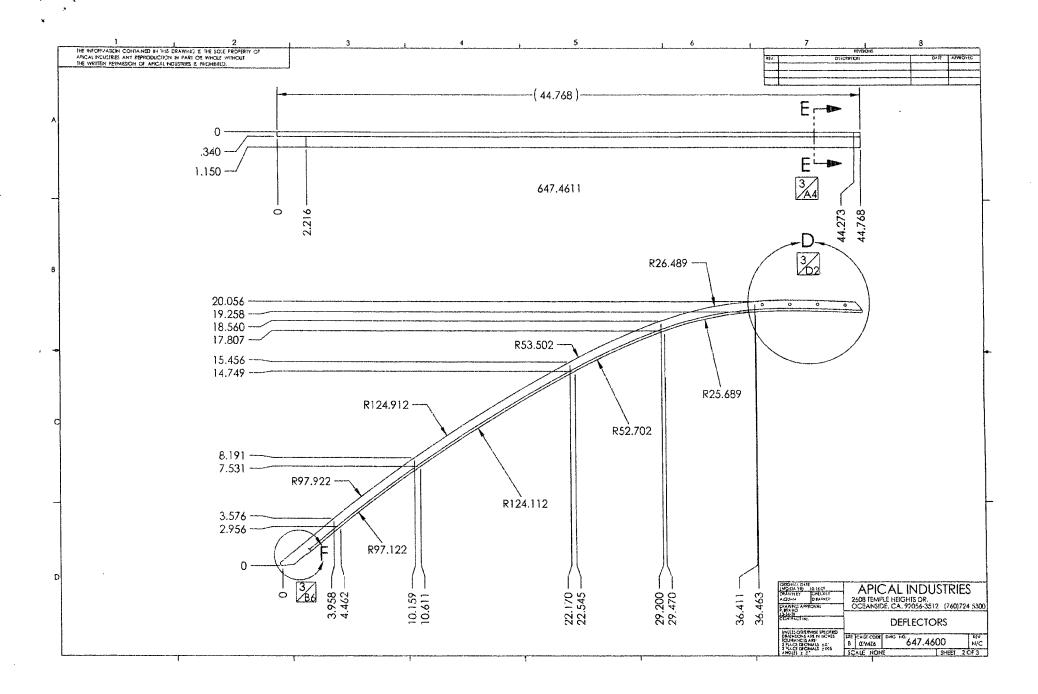
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
.130X45°	立のの5×=%	130X45°			Vern	11-06
,700	I. 005	.698			/ /	
.340	I 005 500 500	340			1(
.040 × 45°	±,005x=6	,043x45	,		11	
9.767	±,005	9.767			4-6	3100%
9.060	±-005	9.060			/r	
3.543	±-005	3.543			14	
-326	±,005	,326			, ,	
.380	±-005	.375			Vern	12-06
9.932	±-008	9.934			4-6	31006
B.206	+-085	8-206			Vern	171-06
Ø.177	+-005 +-005 001	8.177	_		ii	
.300x23.0°	_	300 X 23.0°			11	
4.220	±002	4,220			11	
2.110	±-002	2.110			14	
-900	±.005	. 899			11	

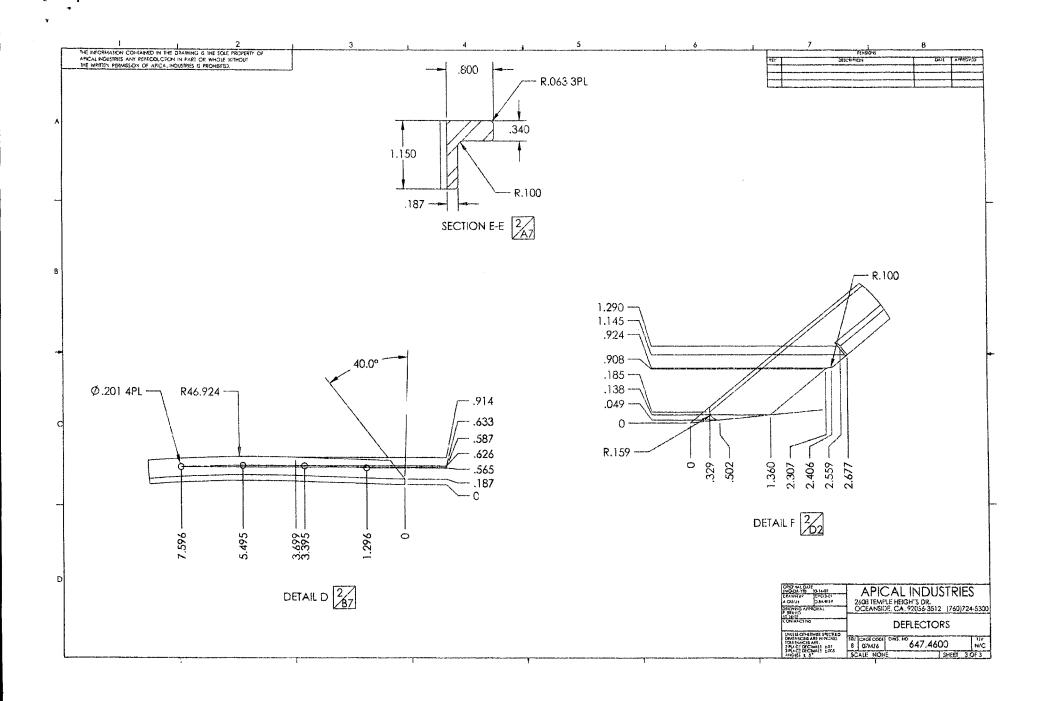
	DAC		DAO		
Measured by:		Audited by:	25	Preliminary Approval:	
Date:	12/11/21	Date:	12-11-21	Date:	

Rev	Date	Change	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	











A.T.G. Industries Inc. 731, rue Industrielle Rd. PLATING DEPARTMENT Rockland, On K4K 1T2 Canada

Ph: (613) 446-4544 Fax: (613) 446-4556

Pack List

Number: 62107

Date: 12-Dec-12

To

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 Canada Ship To

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

ms		Ship Via			
1113		Ship via			
Quantity	Description				
1	Part: ASST		Rev:		
lot		,			
	8 PCS 647.1610				
	5 PCS 647.1612 2 PCS 647.1713				
	6 PCS 647.1811				
	PC 647.1816				
	1 PC 647.1817				
	8 PCS 647.1818 11 PCS 646.3210				
	20 PCS 646.3313				
	10 PCS 646.3717	,			•
	20 PCS 646:3747		·		
	16 PCS 647.4610 10 PCS 649.4811				
	10 PCS 649.4812				
	24 PCS 649.4814				
	30 PCS 649.4815				
	6 PCS 647.7913 3 PCS 647.7919				
	10 PCS 647.9010		•		
	10 PCS 647.9011				
	15 PCS 647.9012				
	40 PCS 647.9013				
	60 PCS 646.9710				
	HARD ANODIZE BLACK				
	MIL-A-8625 TYPE III CLASS 2				
	Job: 20120768	PO: PO18506	Line:		
	Certificate of Co	onformance			
	A.T.G. Industries certifies that all items	s in this shipment are in conf	ormance		
	with all requirements, specifications ar	nd drawings referenced in the	purchase order.		
	ISO 9001 : 2008 RE				
	ATG SALES-2010	TERMS APPLY	/	7	•
	DATE: 12/12/12		· //r		
•	1				
		Page 1 of 2			



A.T.G. Industries Inc. 731, rue Industrielle Rd. PLATING DEPARTMENT Rockland, On K4K 1T2 Canada

Ph: (613) 446-4544 Fax: (613) 446-4556

Pack List

Number: 62107

Date: 12-Dec-12

Ship To

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Canada

То

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

-11. 013-032-5.	101	rax: 613-632-	1100	Pn: 613-632-5200	Pax. 613-632-1165	
Terms			Ship Via			
Quantity	Description	on		· · · · · · · · · · · · · · · · · · ·		
	CERTIFIED	SIGNATURE : M	M			
			1.1.11			
	RECEIVER	SIGNATURE :	Office			
			V			
			*			
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